

St. Louis County (HWMP)
Color Art, Inc.

MOD 185771716

MEL CARNAHAN
Governor



DAVID A. SHORR
Director

STATE OF MISSOURI
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY

March 23, 1993

St. Louis Regional Office

10805 Sunset Office Drive, Suite 100 St. Louis, MO 63127-1017 314-822-0101

Mr. Ken Nieters
Color Art, Inc.
1110 Reco Road
Crestwood, Missouri 63126

L.O.W. #93-SL.007

Dear Mr. Nieters:

Enclosed is a report of a hazardous waste management inspection conducted by Mr. Tom Markowski of my staff on March 10, 1993.

Please note that the section titled "UNSATISFACTORY FEATURES" lists violations noted during the inspection, and outlines steps the inspector has determined will correct those violations.

In order to document that corrective actions have been taken, you are requested to submit a written response no later than April 25, 1993. The response should describe the steps taken to correct each of the unsatisfactory features identified. Please direct the response to this office. You should also forward a copy of your response and supporting documentation to Mr. Bruce Martin, Chief-Hazardous Waste Enforcement, Hazardous Waste Management Program, P.O. Box 176, Jefferson City, Missouri 65102.

It is our purpose by this letter to persuade you to take all necessary actions to comply with the Missouri Hazardous Waste Management Law. Failure to achieve timely resolution of violations may result in the referral of this case for enforcement action by the Hazardous Waste Management Program.

Should you have any questions, or wish to confer in this matter, please contact Mr. Markowski at (314) 822-0101.

Sincerely,

ST. LOUIS REGIONAL OFFICE

Robert S. P. Eck
Robert S. P. Eck
Regional Director

RSPE/TM/lv

Enclosure

c: HWMP

446416



RCRA RECORDS



Recycled paper

RECEIVED
'93 MAR 26 AM 9 57
HAZARDOUS WASTE PROGRAM
MISSOURI DEPARTMENT OF
NATURAL RESOURCES

RESOURCE CONSERVATION AND RECOVERY ACT
AND
MISSOURI HAZARDOUS WASTE MANAGEMENT LAW
COMPLIANCE EVALUATION INSPECTION REPORT

FACILITY

Color Art, Inc.
1110 Reco Road

Crestwood, Missouri 63126
(314) 966-2000

PERMIT ID NUMBER

EPA ID#: MOD985771716
MO Generator ID#: 012830

PARTICIPANTS

Missouri Department of Natural Resources Mr. Tom Markowski
Environmental Specialist
St. Louis Regional Office

Color Art, Inc.

Mr. Larry Catani
Purchasing Manager

INTRODUCTION

An inspection of Color Art, Inc., located at the above address, was conducted on March 10, 1993, by Mr. Tom Markowski of the Missouri Department of Natural Resources. The inspection was conducted under the authority of the Resource Conservation and Recovery Act (RCRA) of 1976 and Sections 260.375(9) and 260.377 of the Missouri Hazardous Waste Management Law (1977 as amended). The inspection was confined to facets of the operation relevant to hazardous waste management.

The inspection started with a meeting with Mr. Catani, in which records and documents pertinent to hazardous waste management were reviewed. Following this meeting, a facility tour was conducted. During this tour, information was gathered from Mr. Catani, additional Color Art employees, and visual observations. The inspection ended with a closing meeting in which violations noted during the inspection were described and explained.

FACILITY DESCRIPTION

Color Art, Inc. is a commercial printing operation. Color Art owns and operates several other printing facilities. This particular Color Art facility conducts lithographic printing on three presses. Production operations and administration offices are contained in one building. Color Art has occupied this building for approximately eight years. This facility operates 24 hours per day, five days per week, and employs approximately 60 people.

This facility uses four basic inks--red, blue, black, and yellow. Pigment pastes are added to these four basic colors to make the desired colors. In the past, waste inks were handled as a hazardous waste. However, a July 1992 analysis of waste ink, performed on a new line of inks the facility started using in 1991, showed the waste ink to be nonhazardous. In addition,

technical information provided by the paint manufacturer indicates both the base ink and pigment pastes are nonhazardous. Because of this new determination, Color Art representatives indicated they would no longer be handling waste ink as a hazardous waste. This change will drastically reduce Color Art's hazardous waste generation rate.

Color Art generates the following waste streams:


1. Waste solvent, D001, containing aromatic naphtha. This solvent is used to clean presses and equipment. One full 55-gallon drum of waste solvent was located in the hazardous waste storage area. One partially full 55-gallon drum of waste solvent was located near one of the presses. Information gathered at the time of the inspection indicates Color Art generates approximately 55 gallons of this waste solvent per month.
2. Waste oil, D098. This waste oil is generated from routine maintenance of the presses. No containers of waste oil were observed during the inspection. The facility representatives indicated they generate approximate 150 gallons of this waste oil per year.

UNSATISFACTORY FEATURES

Failure to include the specific gravity of waste on manifests, in violation of 10 CSR 25-5.262(2)(B)2.I. Manifest Document #11 and Manifest Document #12 did not contain the specific gravity for hazardous wastes measured in gallons (copies of manifests attached). All manifests must include the specific gravity of wastes which are measured in gallons, liters, or cubic yards. Color Art must certify in writing that all future manifests will contain the specific gravity of wastes measured in gallons, liters, or cubic yards.

Should you have any questions regarding this report, please contact the St. Louis Regional Office.

Prepared By:


Tom Markowski
Environmental Specialist

TM/lv

Attachments

MISSOURI DEPARTMENT OF NATURAL RESOURCES
HAZARDOUS WASTE PROGRAM
SMALL QUANTITY GENERATOR
INSPECTION RECORD AND CHECKLIST

S

SQG-INSP.

ONLY FOR FACILITIES THAT GENERATE/ACCUMULATE < 1000 Kg (2,200 lbs. or approximately, 5 drums)

NAME Color Art, Inc. - Reco Road Facility		DATE 3/10/93	EPA I.D. NUMBER MOD985771716
ADDRESS 1110 Reco Road		RR NO. N/A	MO I.D. NUMBER 012830
CITY Crestwood 63126	NUMBER OF EMPLOYEES ~60	YEARS AT SITE 8 years	TELEPHONE NUMBER 314-966-2000
FACILITY REPRESENTATIVE(S), TITLE(S) Mr. Larry Catani - Purchasing Manager			

DESCRIPTION OF THE FACILITY'S OPERATIONS AND PLANT

Lithographic printing on 3 presses.

WASTE STREAMS

DESCRIBE EACH WASTE STREAM GENERATED INCLUDING THE PRODUCTION PROCESS	GENERATION RATE	EPA ID NUMBER	DISPOSITION
1. Waste Aromatic Naptha Solvents (from press clean-up)	≈ 55 gal. per month	D 001	Kiesel Marine
2. Waste Oil from press maintenance	≈ 150 gal. per year	D098	Kiesel Marine
3.			
4.			
5.			

CHECK ALL THAT APPLY (Specify if possible)

- | | | |
|---------------------------------------|---|---|
| <input type="checkbox"/> NPDES Permit | <input type="checkbox"/> Lead/Acid Batteries | <input type="checkbox"/> POTW _____ |
| <input type="checkbox"/> Septic Tank | <input type="checkbox"/> H.W. Burner/Blender/Marketer | <input type="checkbox"/> Solid Waste Landfill _____ |
| <input type="checkbox"/> Air Permit | <input type="checkbox"/> Precious Metal Reclamation | <input type="checkbox"/> Waste Water Pretreatment |

A. GENERAL

1. <input checked="" type="checkbox"/> Registered as a HW Generator - Section 260.380.1 (1) RSMo and 10 CSR 25-5.262 (2)(A)	GGR	COMMENTS
2. <input checked="" type="checkbox"/> Facility determines if waste is hazardous - 10 CSR 25-5.262(1) incorporating 40 CFR 262.11	GGR	
3. <input checked="" type="checkbox"/> Utilizes a licensed hazardous waste transporter - Section 260.380.1 (5) RSMo	GGR	
4. <input checked="" type="checkbox"/> Utilizes authorized HW TSD or RR facility - Section 260.380.1(7) RSMo	GGR	
5. <input checked="" type="checkbox"/> Facility does not operate as a TSD - Section 260.390(1) RSMo	GGR	

PART 1: WALK-THROUGH INSPECTION**B. PRETRANSPORT, CONTAINERIZATION & STORAGE**

1. <input checked="" type="checkbox"/> Storage does not exceed 180 days (270 days if transported > 200 miles) - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(e)	GSQ	COMMENTS
2. <input checked="" type="checkbox"/> Containers in good condition - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(d)(2) referencing 40 CFR 265.171	GPT	
3. <input checked="" type="checkbox"/> Waste compatible with container - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(d)(2) referencing 40 CFR 265.172	GPT	
4. <input checked="" type="checkbox"/> Containers closed in storage - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(d)(2) referencing 40 CFR 265.173(a)	GPT	
5. <input checked="" type="checkbox"/> Containers storing incompatible waste separated or protected from each other by a dike, berm or wall - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(d)(2) referencing 40 CFR 265.177(c)	GPT	
6. <input checked="" type="checkbox"/> Containers of ignitable or reactive waste stored > 50 ft. from property line (or meet requirements) - 10 CSR 25-5.262 (2)(C)5. referencing 40 CFR 265.176 as amended by 10 CSR 25-7.265 (2)(I)3.	GOR	
7. <input checked="" type="checkbox"/> Waste packaged/labeled/marked per DOT during entire on-site storage period - 10 CSR 25-5.262 (2)(C)1.	GOR	
8. <input checked="" type="checkbox"/> Date of accumulation marked on containers - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(d)(4) referencing 40 CFR 262.34(a)(2)	GPT	
9. <input checked="" type="checkbox"/> Containers protected from contact with accumulated liquids - 10 CSR 25-5.262(2)(C)2.B.(II)	GOR	
10. <input checked="" type="checkbox"/> Containers clearly marked "hazardous waste" - 10 CSR 25-5.262(I) incorporating 40 CFR 262.34(d)(4) referencing 40 CFR 262.34(a)(3)	GPT	
11. <input checked="" type="checkbox"/> Facility inspected and maintained (weekly) - 10 CSR 25-5.262(2)(C)2.A.(II)	GPT	
12. <input checked="" type="checkbox"/> Daily inspection of areas subject to spills, ie. waste handling areas - 10 CSR 25-5.262(2)(C)2.A.(II)	GOR	
13. <input checked="" type="checkbox"/> Adequate aisle space is available - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(d)(4) referencing 40 CFR 265.35	GPT	
14. <input checked="" type="checkbox"/> Placards available for transporter - 10 CSR 25-5.262(1) incorporating 40 CFR 262.33	GPT	
15. <input checked="" type="checkbox"/> "No Smoking" signs conspicuously placed by ignitable or reactive wastes - 10 CSR 25-5.262(2)(C)2.D.(II)	GOR	
16. <input checked="" type="checkbox"/> Waste oil containers in good condition, labeled and closed - 10 CSR 25-11.010(3)(C)	GOR	

C. SATELLITE ACCUMULATION

1. <input checked="" type="checkbox"/> Containers kept closed - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(c)(1)(i) referencing 40 CFR 265.173	GPT	COMMENTS
2. <input checked="" type="checkbox"/> Containers in good condition - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(c)(1)(i) referencing 40 CFR 265.171	GPT	
3. <input checked="" type="checkbox"/> Waste compatible with container - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(c)(1)(i) referencing 40 CFR 265.172	GPT	
4. <input checked="" type="checkbox"/> Quantities accumulated not exceeding 55 gal. (1 quart of acutely-hazardous wastes) - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(c)(1)	GPT	
5. <input checked="" type="checkbox"/> Satellite containers go to storage within 3 days of filling - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(c)3.	GPT	
6. <input checked="" type="checkbox"/> Container marked identifying contents & beginning date - 10 CSR 25-5.262(2)(C)3.	GOR	

7. <input checked="" type="checkbox"/> Stored in satellite areas less than 1 year - 10 CSR 25-5.262(2)(C)3.	GOR	COMMENTS
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D. PREPAREDNESS AND PREVENTION AND EMERGENCY PROCEDURES

1. <input checked="" type="checkbox"/> Facility operated and maintained to minimize the possibility of an emergency - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(d)(4) referencing 40 CFR 265.31	GPT	COMMENTS
2. <input checked="" type="checkbox"/> Adequate and proper spill control, decontamination and safety equipment available (fire blankets, respirators, SCBA, absorbents, etc.) and properly tested and maintained - 10 CSR 25-5.262 (1) incorporating 40 CFR 262.34 (d)(4) referencing 40 CFR 265 Subpart C.	GPT	
3. <input checked="" type="checkbox"/> Adequate water supply and fire control equipment - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(d)(4) referencing 40 CFR 265.32(d)	GPT	
4. <input checked="" type="checkbox"/> Communication and emergency equipment tested and maintained - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(d)(4) referencing 40 CFR 265.33	GPT	
5. <input checked="" type="checkbox"/> Emergency coordinator's name and phone number posted near phone - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(d)(5)(ii)	GSQ	
6. <input checked="" type="checkbox"/> Telephone number of fire department posted near phone - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(d)(5)(ii)	GSQ	
7. <input checked="" type="checkbox"/> Location of fire extinguisher and spill control equipment posted near phone - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(d)(5)(ii)	GSQ	
8. <input checked="" type="checkbox"/> Employees familiar with waste handling and emergency procedures - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(d)(5)(iii)	GSQ	
9. <input checked="" type="checkbox"/> Device in the hazardous waste operation area capable of summoning emergency assistance - 10 CSR 25-5.262 (1) incorporating 40 CFR 262.34(d)(4) referencing 40 CFR 265.34(a)	GPT	
10. <input checked="" type="checkbox"/> Telephone or two-way radio onsite and capable of summoning local fire or police dept. - 10 CSR 25-5.262 (1) incorporating 40 CFR 262.34(d)(4) referencing 40 CFR 265.32(b)	GPT	

E. SQG TANKS

TANK DESIGNATION	CONTENTS	CAPACITY	CONTAINMENT	AGE
1. N/A				
2.				
3.				

1. <input type="checkbox"/> Uncovered tanks have 2 ft. freeboard or containment system - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(d)(3) referencing 40 CFR 265.201(b)(3)	GPT	COMMENTS
2. <input type="checkbox"/> Continuously fed tanks equipped with a feed cut-off system or a proper by-pass system - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(d)(3) referencing 40 CFR 265.201(b)(4)	GPT	
3. <input type="checkbox"/> Waste and/or treatment method is compatible with tank - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(d)(3) referencing 40 CFR 265.201(b)(2)	GPT	
4. <input type="checkbox"/> Incompatible wastes not placed in same tank - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(d)(3) referencing 40 CFR 265.201(f)	GPT	
5. <input type="checkbox"/> Ignitable or reactive wastes rendered safe/protected from sources of ignition or reaction - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(d)(3) referencing 40 CFR 265.201(e)(1)	GPT	
6. <input type="checkbox"/> Ignitable or reactive wastes in covered tanks treated/stored in accordance with NFPA's buffer zone requirements - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(d)(3) referencing 40 CFR 265.201(e)(2)	GPT	
7. <input type="checkbox"/> Volatiles with vapor pressure > 78 mm Hg @ 25° C not placed in open tanks - 10 CSR 25-5.262(2)(C)2.D.(I)	GOR	
8. <input type="checkbox"/> Wastes and residues removed from tank and equipment, and handled properly upon closure - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(d)(3) referencing 40 CFR 265.201(d)	GPT	
9. <input checked="" type="checkbox"/> Tanks are clearly labeled or marked "Hazardous Waste" - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(d)(4) referencing 40 CFR 262.34(a)(3).	GPT	

I. RESOURCE RECOVERY

1. <input checked="" type="checkbox"/> RR certification for energy recovery or reclamation of waste oil or hazardous waste on-site - 10 CSR 25-9.020(1)(A)3.	GOR	COMMENTS
2. <input checked="" type="checkbox"/> Still bottoms or RR residues disposed of properly - Section 260.380.1(5) RSMo.	GOR	
3. <input type="checkbox"/> Facility is classified as U, R1, or R2 accurately - 10 CSR 25-9.020(3)(A).	GOR	
4. <input type="checkbox"/> Facility meets the operating conditions of certification - 10 CSR 25-9.020(3).	GOR	
5. <input type="checkbox"/> Facility has submitted a written request and received approval from the DNR for all changes in operation including closure - 10 CSR 25-9.020(3)(E)1 and 2.	GOR	
6. <input type="checkbox"/> Facility report submitted to DNR quarterly - 10 CSR 25-9.020(3)(E)6. referencing 10 CSR 25-7.264(2)(E)3.	GOR	
7. <input type="checkbox"/> Facility maintains a complete written operating record - 10 CSR 25-9.020(3)(E)5. referencing 40 CFR 264.73(b)(1) and (2) as modified by 10 CSR 25-7.264(2)(E)2.	GOR	
8. <input checked="" type="checkbox"/> Facility has notified EPA and the state that it qualifies for a small quantity on-site burner exemption or has interim status or a permit if it burns hazardous waste on-site - 10 CSR 25-7.266(1) incorporating 40 CFR 266.108 and 40 CFR 266.103.	GOR	

CHECKLIST KEY

Check the ☒ if in compliance.

Circle the ☐ if not in compliance and provide comment.

N/A = Not Applicable

A shaded item is a serious deviation from the requirements (Class I violation)

An unshaded item is a significant deviation from the requirements (Class II violation unless conditions warrant Class I)

COMMENTS: INCLUDE DISCUSSION OF FACILITY'S WASTE MINIMIZATION PLAN

INSPECTOR'S SIGNATURE

Tom Markowski

DATE

3/10/93

MISSOURI DEPARTMENT OF NATURAL RESOURCES
HAZARDOUS WASTE PROGRAM
P.O. BOX 176
JEFFERSON CITY, MISSOURI 65102
(314) 751-3176

COLOR ART INC.
CONTACT: KEN NIETERS
1110 RECO ROAD
CRESTWOOD MO 63126
EPAID=MOD985771716 MOID=012830

GENERATOR'S HAZARDOUS WASTE
SUMMARY REPORT - PART I

GENERATOR'S EPA I.D. NUMBER

M.O.D.9.8.5.7.7.1.7.1.6

GENERATOR'S MISSOURI I.D. NUMBER

0.1.2.8.3.0

NOTE: THE FEDERAL EPA AND MISSOURI GENERATOR I.D. NUMBERS ARE ASSIGNED EXCLUSIVELY TO THE SITE WHERE WASTE IS PRODUCED. YOU MUST NOTIFY THE DEPARTMENT IF THE ADDRESS FOR THE SITE OF GENERATION CHANGES.

NOTE ► PLEASE READ INSTRUCTIONS AND EITHER PRINT OR TYPE

SECTION A - REPORT IDENTIFICATION

1. TYPE OF REPORT (CHECK ONE)

☒ QUARTERLY ☐ ANNUAL

(IF ANNUAL CHECKED, PLACE X IN 6-30 BOX)

2. FOR THE PERIOD ENDING (CHECK ONE & FILL IN YEAR)

☐ 9-30- ____ (YEAR)

☐ 12-31- ____ (YEAR)

☐ 3-31- ____ (YEAR)

☒ 6-30-92 (YEAR)

3. PAGE

1 OF 3

SECTION B - GENERATOR IDENTIFICATION

NOTE: Any change in either the mailing or site address from previous reports requires renotification to the Department.

4. GENERATOR'S NAME ☒ SAME AS LABEL

5. GENERATOR CONTACT PERSON (NAME) ☒ SAME AS LABEL

TELEPHONE NUMBER

314-966-2000

6. MAILING ADDRESS

CITY

St. Louis

STATE

ZIP CODE

Mo. 63126

7. PLANT SITE ADDRESS ☐ SAME AS LABEL

CITY

STATE

ZIP CODE

8. NAME OF PARENT FIRM

Color-Art, Inc.

OFFICE USE ONLY

SECTION C - STATUS OF WASTE GENERATED (CHECK ONE)

9. ☒ SHIPPED OFF-SITE. Complete part 2, attach completed hazardous waste manifests, sign certification and transmit to the department.

10. ☐ REPORTABLE QUANTITY NOT GENERATED. Sign certification and transmit to the department. (Do not complete Part 2)

11. ☐ REPORTABLE QUANTITY GENERATED BUT NOT SHIPPED OFF-SITE THIS QUARTER. Sign certification and transmit to the department. (Do not complete Part 2)

SECTION D - COMMENTS

12.

Mailed 7/21/92

Ill. # 3848797

Mo. 0010

SECTION E - CERTIFICATION STATEMENT

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

PRINT NAME

Kenneth W. Nieters

SIGNATURE

Kenneth W. Nieters

DATE

7-20-92



MISSOURI DEPARTMENT OF NATURAL RESOURCES
HAZARDOUS WASTE PROGRAM

P.O. BOX 176
JEFFERSON CITY, MISSOURI 65102
(314) 751-3176

GENERATOR'S HAZARDOUS WASTE
REPORT SUMMARY SHEET - PART II

BEFORE COPYING FORM, ENTER THE GENERATOR'S NAME
AND IDENTIFICATION NUMBERS AS SHOWN ON PART I.

GENERATOR NAME

Color-Art Printing, Inc.

EPA ID NUMBER

M.O.D.9.8.5.7.7.1.7.1.6

MISSOURI I.D. NUMBER

0.1.2.8.3.0

NOTE ► PLEASE READ INSTRUCTIONS AND EITHER PRINT OR TYPE

ATTENTION: Summarize all shipments made to the
Hazardous Waste Management Facility you have
identified in Section G below. Additional pages are
required for each off-site management facility utilized.

SECTION F - REPORT IDENTIFICATION (AS SHOWN ON PART I)

1. FOR THE PERIOD ENDING (CHECK ONE & FILL IN YEAR)

☐ 9-30- (YEAR)

☐ 12-31- (YEAR)

☐ 3-31- (YEAR)

☒ 6-30-92 (YEAR)

2. PAGE

2 OF 3

SECTION G - FACILITY IDENTIFICATION

3. FACILITY NAME (NAME OF OFF-SITE LOCATION WHERE WASTE WAS DELIVERED)

Kiesel Marine / The Kiesel Co.

5. FACILITY SITE ADDRESS

Ft. of Branch St.

CITY

St. Louis

STATE

Mo.

ZIP CODE

63147

4. FACILITY'S EPA I.D. NUMBER

M.O.T.3.0.0.0.1.1.1.6.0

6. FACILITY'S MISSOURI I.D. NUMBER

R.R.-1.2.4

SECTION H - WASTE IDENTIFICATION

LINE	7. DESCRIPTION OF WASTE SHIPPED TO THE FACILITY LISTED ABOVE	8. DOT HAZARD CODE	9. EPA HAZARDOUS WASTE NUMBER	10. TAX CODE (SEE INST.)	11. TOTAL AMOUNT OF WASTE	12. UNIT OF MEAS.	13. SPECIFIC GRAVITY	14. FINAL HANDLING CODE
1	Waste Flammable Liquid	08	000.1		920	G	.	T.O.H
2	N.O.S. U.N. 1993 ERG #27	.	.				.	.
3	(Waste Inks & Solvents)	.	.				.	.
4	"RQ" 100	.	.				.	.
5	Waste Flammable Liquid	.	.		55	G	.	T.O.H
6	N.O.S. U.N. 1993 ERG #27	.	.				.	.
7	(Aromatic Naptha) "RQ"	.	.				.	.
8		.	.				.	.

SECTION I - TRANSPORTATION SERVICES UTILIZED

15. COMPANY NAME	16. MISSOURI ID NO.	17. US EPA I.D. NUMBER
a The Kiesel Co.	H.-1.20.2	M.O.T.3.0.0.0.1.1.1.6.0
b	H.-.	.
c	H.-.	.

SECTION J - COMMENTS

18



MISSOURI DEPARTMENT OF NATURAL RESOURCES
HAZARDOUS WASTE PROGRAM
P.O. BOX 178
JEFFERSON CITY, MISSOURI 65102
(314) 751-3176
**GENERATOR'S HAZARDOUS WASTE
REPORT SUMMARY SHEET - PART II**

ENTER ONE OF THE FOLLOWING, ENTER THE GENERATOR'S NAME
AND IDENTIFICATION NUMBERS AS SHOWN ON PART I.
GENERATOR NAME
Color-Art Printing, Inc.
EPA ID NUMBER
M.0.0.9.8.5.7.7.1.7.1.6
MISSOURI I.D. NUMBER
0.1.2.8.3.0

NOTE ► PLEASE READ INSTRUCTIONS AND EITHER PRINT OR TYPE

ATTENTION. Summarize all shipments made to the Hazardous Waste Management Facility you have identified in Section G below. Additional pages are required for each off-site management facility utilized.

SECTION F - REPORT IDENTIFICATION (AS SHOWN ON PART I)

1. FOR THE PERIOD ENDING (CHECK ONE & FILL IN YEAR)

☐ 9-30-____ (YEAR)

☐ 12-31-____ (YEAR)

☐ 3-31-____ (YEAR)

☒ 6-30-92 (YEAR)

2. PAGE

3 OF 3

SECTION G - FACILITY IDENTIFICATION

3. FACILITY NAME (NAME OF OFF-SITE LOCATION WHERE WASTE WAS DELIVERED)

Kiesel Marine/The Kiesel Co.

5. FACILITY SITE ADDRESS

FT. of Branch St.

CITY
St. Louis

STATE
Mo.

ZIP CODE
63147

4. FACILITY'S EPA I.D. NUMBER

M.0.T.3.0.0.0.1.1.1.60

6. FACILITY'S MISSOURI I.D. NUMBER

R.R.-12.4

SECTION H - WASTE IDENTIFICATION

LINE	7. DESCRIPTION OF WASTE SHIPPED TO THE FACILITY LISTED ABOVE	8. DOT HAZARD CODE	9. EPA HAZARDOUS WASTE NUMBER	10. TAX CODE (SEE INST.)	11. TOTAL AMOUNT OF WASTE	12. UNIT OF MEAS.	13. SPECIFIC GRAVITY	14. FINAL HANDLING CODE
1	Waste Oil N.O.S.	.	. . . . .		15	G	:	T.O.
2	Combustible Liquid	.	. . . . .				.	.
3	RQ 100lbs. ERG #27	.	. . . . .				.	.
4	N.A. 1270	.	. . . . .				.	.
5		.	. . . . .				.	.
6		.	. . . . .				.	.
7		.	. . . . .				.	.
8		.	. . . . .				.	.

SECTION I - TRANSPORTATION SERVICES UTILIZED

15. COMPANY NAME	16. MISSOURI ID NO.	17. US EPA I.D. NUMBER
a <u>The Kiesel Co.</u>	<u>H.-1.2.0.2</u>	<u>M.0.T.3.0.0.0.1.1.1.60</u>
b	H.- . . . .	. . . . .
c	H.- . . . .	. . . . .

SECTION J - COMMENTS

18.



PLEASE TYPE

(Form designed for use on elite (12-pitch) typewriter.)

EPA Form 8700-22 (Rev. 9-88)

Form Approved. OMB No. 2050-0039, Expires 9-30-92

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. MOD985771716	Manifest Document No. 00012	2. Page 1 of	Information in the shaded areas is not required by Federal law, but is required by Illinois law.	
3. Generator's Name and Mailing Address Color Art, Inc. 1110 Reco Crestwood, MO 63126				A. Illinois Manifest Document Number IL 3942856 FEE PAID IF APPLICABLE		
4. 24-HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS (314) 4218-0328				B. Illinois Generator's ID 9291897822		
5. Transporter 1 Company Name The Kiesel Co.		6. US EPA ID Number MOT300011160		C. Illinois Transporter's ID 0979		
7. Transporter 2 Company Name		8. US EPA ID Number		D. (314) 351-5500 Transporter's Phone		
9. Designated Facility Name and Site Address Clayton Chemical Co. No. 1 Mobile Ave. Sauget, IL 62201		10. US EPA ID Number ILD066918327		E. Illinois Transporter's ID F. () Transporter's Phone		
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) a. WASTE FLAMMABLE LIQUID, N.O.S., (PETROLEUM MIDDLE DISTILLATE) UN 1993 ERG #27 "RQ"				12. Containers No. Type 11 D M	13. Total Quantity 605 G	
b.						
c. <i>this is reportedly "waste ink"</i>						
d.						
J. Additional Description for Materials Listed Above				K. Handling Codes for Wastes Listed Above In Item #14 G = Gallons Y = Cubic Yards		
15. Special Handling Instructions and Additional Information #5238 Truck Lic. # MO 21437 MO Gen #012830-00012 Facility MO ID# RRIL01 MO Trans ID# H-1202						
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.						
Printed/Typed Name Gary McFarland		Signature Gary McFarland		Date Month Day Year 09/08/92		
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name STEVEN J. BAUER		Signature Steve Bauer		Date Month Day Year 09/08/92		
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Date Month Day Year		
19. Discrepancy Indication Space						
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.				Date		
Printed/Typed Name JAMES HANEY		Signature James Haney		Date Month Day Year 09/08/92		

This Agency is authorized to require, pursuant to Illinois Revised Statute, 1989, Chapter 111 1/2, Section 1004 and 1021, that this information be submitted to the Agency. Failure to provide this information may result in a civil penalty against the owner or operator not to exceed \$25,000 per day of violation. Falsification of this information may result in a fine up to \$50,000 per day of violation and imprisonment up to 5 years. This form has been approved by the Forms Management Center.

In case of a spill call the Illinois Office of Emergency Response at 217 / 782-7860 and the National Response Center at 800 / 424-8802 or 202 / 426-2675.

PLEASE TYPE

(Form designed for use on elite () typewriter.)

State Form LPC 62 8/81

IL532-0610

EPA Form 8700-22 (Rev. 9-88)

Form Approved. OMB No. 2050-0039, Expires 9-30-92

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. MOD985771716	Manifest Document No. 00011	2. Page 1 of	Information in the shaded areas is not required by Federal law, but is required by Illinois law.
3. Generator's Name and Mailing Address Color Art, Inc. 1110 Reco Crestwood, MO 63126		Location If Different		A. Illinois Manifest Document Number IL 3880698 FEE PAID IF APPLICABLE	
4. *24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS* (314) 421-0328		6. US EPA ID Number MOT300011160		B. Illinois Generator's ID 19291897822	
5. Transporter 1 Company Name The Kiesel Co.		8. US EPA ID Number		C. Illinois Transporter's ID 0979	
7. Transporter 2 Company Name		10. US EPA ID Number		D. (314) 351-5500 Transporter's Phone	
9. Designated Facility Name and Site Address Clayton Chemical Co. No. 1 Mobile Ave. Sauget, IL 62201		10. US EPA ID Number ILD066918327		E. Illinois Transporter's ID F. () Transporter's Phone	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers No. Type		13. Total Quantity	14. Unit Wt/Vol
a. WASTE FLAMMABLE LIQUID, N.O.S., (PETROLEUM MIDDLE DISTILLATE) UN 1993 ERG #27 "RQ" barrels (waste ink) (4 barrels CC#5218 to 1 barrel CC#5218)		15000		15000	G
b. WASTE FLAMMABLE LIQUID, N.O.S. (Aromatic Naptha) UN 1993 ERG #27 "RQ" (waste solvent) CC#5260		0.0.1 D.M.		000055	G
c.					
d.					
J. Additional Description for Materials Listed Above b. 2575 J Craigseal		K. Handling Codes for Wastes Listed Above In Item #14 G = Gallons Y = Cubic Yards			
15. Special Handling Instructions and Additional Information XXXXXX					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.					
Printed/Typed Name Ken Pyatt		Signature Ken Pyatt		Date 06/18/92	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Jeff Crisp		Signature Jeff Crisp		Date 06/18/92	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Date	
19. Discrepancy Indication Space					
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.		Signature Edward Reidy		Date 06/18/92	

This Agency is authorized to require, pursuant to Illinois Revised Statute, 1989, Chapter 111 1/2, Section 1004 and 1027, that this information be submitted to the Agency. Failure to provide this information may result in a civil penalty against the owner or operator not to exceed \$25,000 per day of violation. Falsification of this information may result in a fine up to \$50,000 per day of violation and imprisonment up to 5 years. This form has been approved by the Forms Management Center.

COPY 1. TSD MAIL TO GENERATOR

In case of a spill call the Illinois Office of Emergency Response at 217/782-7860 and the National Response Center at 800/424-6622 or 202/744-2000.

THIS IS YOUR INVOICE



**THE
KIESEL
COMPANY**

4801 FYLER AVE. • ST. LOUIS, MO 63116
351-5500

W14154

EPA ID # _____ Date 9-8-92

Name Color Art Inc.

Address 1110 Reco

City St. Louis, MO 63126

PICK UP 19 DRUM OF INK

CUST ORDER NO.	TRUCK NO.	SALESMAN	CHARGE
16070	XXXX		

PRODUCT	GALLONS	PRICE	AMOUNT
WASTE OIL N.O.S. NA 1270			
WASTE FUEL 11 Dr 605			
WASTE FLAMMABLE LIQUID, N.O.S. UN 1993			

CUST. SIGNATURE Tony McFaul

NOTE: Used oil that meets the definition of combustible (flash point below 200° F but above 100° F) or flammable (flash point below 100° F) is subject to Department of Transportation Hazardous Materials Regulation at 49 CFR Parts 100 through 177.

Rec. Payment \$ _____

GALLON READING PRINTED ON BRODIE METER

Kathy

MATERIAL SAFETY DATA SHEET

Sun Chemical
Corporation

General Printing Ink Division

I Product Identification

Manufacturer's Name	Sun Chemical Corporation	MSDS Number : 151001
Street Address	631 Central Avenue Carlstadt New Jersey 07072	Revision Date : 1/7/93 Supersedes : 10/26/92
Telephone Number	(201) 933-4500	
Product Class	HEATSET INKS	
Manufacturer's Code	SEE ATTACHED LIST	

II Hazardous Ingredients

Component	Hazard	Exposure Limits	
		OHSA	ACGIH
Petroleum Middle Distillate (CAS# 64741-86-2) <u>(35-45%)</u>	(See Section XI)	None Established	None Established

III Health Effect Information - Finished Product

Primary Hazard May cause eye irritation or skin irritation upon prolonged or repeated contact.

IV Health Effect Information - Hazardous Ingredients (100% Concentration)

Eye Contact May be slightly irritating upon direct contact.

Skin Contact Repeated or prolonged exposure may cause drying of skin and irritation.

Inhalation This product has a low vapor pressure and is not expected to present an inhalation hazard at ambient conditions. Caution should be taken to prevent aerosolization or misting of this product.

Ingestion Ingestion of small quantities is usually non-fatal unless aspiration occurs. Aspiration may lead to chemical pneumonitis.

Health Data See Section XI

Medical Conditions Existing skin disorders.
Aggravated By
Exposure

V Emergency & First Aid Procedures

Eye Contact Flush eyes with water for 15 minutes. If irritation develops, consult a physician.

Skin Contact Wash affected area with soap and water. Remove soiled clothing and launder before reusing.

Inhalation None expected to be necessary at ambient conditions.

Ingestion Do not induce vomiting. Seek immediate medical attention.

VI Personal Health Protection Information

Eye Protection Safety glasses or goggles recommended to prevent accidental contact.

Skin Protection Gloves recommended for repeated or prolonged exposure.

Ventilation In accordance with good engineering practices.

Respiratory Protection None required under conditions of normal use.

Other None.

VII Fire & Explosion Data

Flash Point (lowest) 210°F

Flash Point Method T.C.C.

Flash Point Category (OSHA/NFPA) IIIB

Lower Flammability Limit in Air (% by Vol) 1.1 %

Extinguishing Media Carbon Dioxide, Dry Chemical, Foam.

Special Fire Fighting Procedures Self-contained breathing apparatus and protective clothing should be worn in chemical fires.

Unusual Fire and Explosion Hazards Dense smoke may be generated while burning. Oxides may be generated as products of combustion.

VIII Reactivity Data

Stable X	Unstable	Conditions to Avoid	None.
----------	----------	---------------------	-------

Compatibility Strong oxidizers.

X Physical Data

Boiling Range	464 - 516°F	Density (lbs/gal)	Approx. 8
Percent Volatile (Weight)	35-45%	Evaporation Rate (vs. Butyl Acetate)	Slower
Vapor Density (vs. air)	Heavier	Appearance/ Odor	Colored Viscous liquid Hydrocarbon odor

X Environmental PrecautionsProcedure if Material
is Spilled or Released

Clean up with absorbent material.

Waste Disposal
Method

In accordance with federal, state, and local regulations.

XI Special PrecautionsHandling and
Storage Requirements

Store in closed containers.

Precautionary
Statements

None.

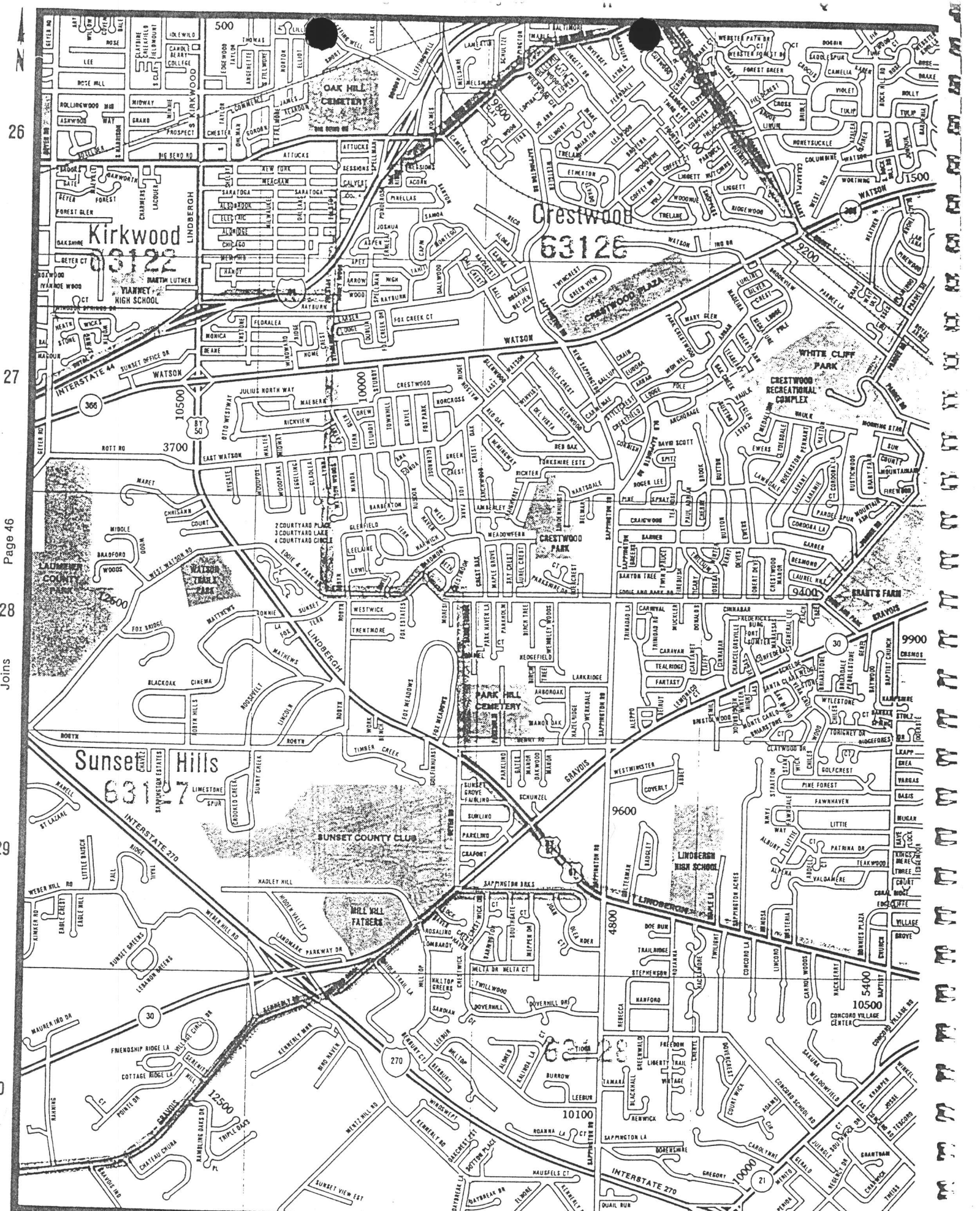
XII Additional Comments

Evaluation of this specific raw material in a test battery designed to detect multiple genotoxic endpoints has demonstrated this component to be nongenotoxic. Lack of genotoxic activity is strongly correlated with noncarcinogenicity. Therefore, this component is not expected to result in tumors in laboratory animals.

However, in accordance with the Occupational Safety and Health Administration Hazard Communication Standard, all manufacturers and distributors of middle distillates are also required to report that earlier studies conducted by the American Petroleum Institute have indicated that middle distillates, as a class, were weakly to moderately tumorigenic in laboratory animals. It is suspected that these tumors may be due in part to the severely irritated skin condition resulting from continuous contact of the test animals with the material.

Disclaimer of Liability

The above information is based on data available to us and is believed to be correct. However, no warranty of merchantability, fitness for any use, or any other warranty is expressed or to be implied regarding the accuracy of such data, the results to be obtained from the use thereof, the hazards connected with the use of the material, or any such use will not infringe any patent. Since the information contained herein may be applied under conditions not under our control, and with which we may be unfamiliar, we do not assume any responsibility resulting from its use. This information is furnished upon the condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.



FAX TRANSMISSION FROM

822-6943

Color Art

COLOR-ART, INC., 10300 WATSON RD., ST. LOUIS, MO 63127, (314) 966-2000

TO THE ATTENTION OF:

DATE 3/11/93

Tom Markowski (DNR)

TIME 9:55am

THIS TRANSMISSION HAS 12 PAGES
INCLUDING THIS COVER SHEET

FOR FURTHER INFORMATION

CALL Sally Catani

AT 314-966-2000

FAX NUMBER 314-966-4725

Tom.

MSDS on Red & yellow flesh
for heat set ink and letter on heavy
metals.

Any questions - Please call.

SINCERELY

November 1, 1991

Mr. Jerry Kohm
Color-Art, Inc.
10900 Watson Road
St. Louis, MO 63127

*Switched to newer
"soy based" inks around
Spring, 1991.*

Dear Mr. Kohm:

Your recent request to our St. Louis division for information on the products we supply you for conversion for Inprint Systems was forwarded to this location for reply. As we understand, your concerns focus on the subject of heavy metals in printing ink.

By way of background, there has been considerable activity throughout the packaging, converting and user industries in connection with heavy metals. Very recently, some focus has been brought on the subject by the packaging regulations which will be implemented in the Northeast states. The authors of the recommended regulations were the Coalition of New England Governors (CONEG).

The CONEG regulation will impact ~~lead, chromium, cadmium and mercury~~. The regulation calls for the elimination of these metals in a timed sequence.

We have reviewed the products in supply to your company. Please be advised that the Naturalith Soy Bean inks as well as the Controlglo ink line which you purchase from GPI exclude any colors based on lead chromate chemistry and therefore, will meet the 600ppm immediate limit for deliberate addition required by CONEG. In addition, these inks will already conform to the last phased level of less than 100ppm aggregate deliberate addition of the four metals.

I trust this information will satisfy your needs.

Sincerely,

Wm. E. Rusterholz
William E. Rusterholz

Director
Regulatory Affairs & Support Services

** Color Art was apparently
handling the waste ink as a
H.W. when it was ^{not} necessary
that it be handled
as a hvy. waste.*

WER:kg

cc: R. Dudziak
N. Hersh
R. Peterson
J. Rooney

(Spring, 1991 to September, 1992).

PAGE 1

Effective: 01/93
Supercedes: NEW

SECTION I - PRODUCT IDENTIFICATION		HMIS INFO	NPCA	NAPIM
Manufacturer's Name SunChemical Corporation	Emergency Telephone No. (513) 681-5950	HEALTH	1	1
Street Address 411 Sun Avenue	City, State and ZIP Code Cincinnati, Ohio 45232	FLAMMABILITY	1	1
MANUFACTURER'S CODE IDENTIFICATION FDY-9921		REACTIVITY	0	0
PRODUCT NAME SUN COLOR		P.P.E.		
PRODUCT CLASS Flushed Color <u>Yellow</u>				

SECTION II - HAZARDOUS INGREDIENTS

Ingredient	Percent	Occupational Exposure Limits TLV PEL	Vapor Pressure
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This flushed product contains high boiling petroleum distillate of a type which does not require labelling as a hazardous substance as defined by OSHA's Hazard Communication Standard 29 CFR 1910.1200.

This product is not considered to be a hazardous substance under OSHA's Hazard Communication Standard.

SECTION III - PHYSICAL DATA

Boiling Range 450-600°F	Specific Gravity Unknown	Vapor Density <input checked="" type="checkbox"/> Heavier <input type="checkbox"/> Lighter than Air
----------------------------	-----------------------------	--

Evaporation Rate <input type="checkbox"/> Faster <input checked="" type="checkbox"/> Slower than Ether	Appearance and Odor Viscous paste; slight solvent odor
---	---

Percent Volatile Variable	Solubility in Water Insoluble	Vapor Pressure
Freezing Point Not	Flash Point Greater than 215°F	Unknown

SECTION IV - FIRE & EXPLOSION HAZARD DATA

Flammability Classification

OSHA Class III B

Flash Point Not Determined-Greater than 215°F

Extinguishing Media:

☒ Foam ☒ CO₂ ☒ Dry Chemical ☐ Water Fog ☐ "Alcohol" Foam ☐ Other

Unusual Fire & Explosion Hazards NONE KNOWN

Special Fire Fighting Procedures Full protective equipment, including self-contained breathing apparatus, is recommended.

SECTION V - HEALTH HAZARD DATA

Health Hazard Data

This product contains high boiling petroleum distillate, considered by our supplier not to be a hazardous substance under OSHA's Hazard Communication Standard. Under normal operating conditions and procedures, oil mist would not be expected to be generated.

This product contains no "oil mist".

OSHA permissible exposure limit (PEL) for oil mist is 5 mg/m³.

Carcinogenicity NTP? No IARC MONOGRAPHS? No OSHA REGULATED? No

Routes of Exposure

Inhalation - If use conditions generate organic vapor, and adequate ventilation is not available, NIOSH approved respirator should be used. Acute overexposure may result in irritation of the throat and lungs. Chronic exposure to high concentrations of oil mists or aerosols to laboratory animals has resulted in non-specific symptoms related to the nervous system, gastrointestinal tract & lungs.

Skin Contact - Should be prevented through the use of protective clothing, selected with regard for use condition exposure potential. Direct skin contact may cause skin irritation and dermatitis, characterized by dryness, chapping & reddening.

Skin Absorption

No published data available.

Eye Contact - Eye contact with flushed color must be prevented through the use of safety glasses, etc. Exposure to high concentrations of vapors may be irritating to the eyes.

Ingestion - Do not ingest. Ingestion of large quantities may lead to intense burning of the throat and may result in drowsiness, dullness, numbness and headache followed by dizziness, weakness and nausea.

Emergency & First Aid Procedures

Eyes: Flush thoroughly with copious amounts of water for at least 15 minutes. If irritation persists, consult physician.

Skin: Wash with soap and water. If symptoms occur, consult physician.

Inhalation: Remove to clean, fresh air and treat symptomatically.

Ingestion: Treat symptomatically. Do not induce vomiting.

VI REACTIVITY DATA

Stability	Stable	<input checked="" type="checkbox"/>	Conditions to Avoid NONE KNOWN
	Unstable	<input type="checkbox"/>	

Incompatibility

Strong oxidizing agents

Hazardous Decomposition Products When involved in a fire, burning organic pigments may evolve noxious fumes which may include carbon monoxide, nitrous oxides, or other toxic compounds, depending on the pigment type.

Hazardous Polymerization	May Occur	<input type="checkbox"/>	Conditions to Avoid NONE KNOWN
	Will Not Occur	<input checked="" type="checkbox"/>	

VII SPILL OR LEAK PROCEDURES

Steps to be taken if material is released or spilled:

Wipe or shovel up spilled material. Hydrocarbon solvent may aid in cleaning.

Spilled material should be cleaned up immediately.

Hazardous Substance "Superfund" ☒ No ☐ Yes

Waste disposal method:

Disposal of this material must be made in accordance with Federal, State and local regulations.

Hazardous Waste 40CFR261 ☒ No ☐ Yes

VIII SPECIAL PROTECTION METHOD

Respiratory Protection

NIOSH approved respirators recommended, if adequate ventilation is not available.

Ventilation

Local exhaust ventilation or containment recommended to control organic vapor exposure.

Protective Gloves

Recommended

Eye Protection

Safety glasses recommended

Other Protective Equipment

Impervious clothing should be worn when gross contact is likely, such as when cleaning up spills.

IX SPECIAL PRECAUTIONS

Precautionary Statements

A moderately cool, dry, well-ventilated area is considered adequate for the storage of pigment containers. Direct sources of heat must be avoided and open containers must not be allowed to stand over extended periods of time. Position containers so that any labelling information on the container is visible.

FDA Status

This product does not have Food & Drug Administration (FDA) approval as a food additive, either direct or indirect, under Title 21 of the Code of Federal Regulations (CFR).

USDA Status

This pigment product has not been evaluated by the United States Department of Agriculture (USDA) for use in packaging material in direct contact with meat or poultry food products prepared under federal inspection.

X TRANSPORTATION REQUIREMENTS

D.O.T. Proper Shipping Name (49CFR 172.101):

☐ Pigment Dry NOI

☐ Pigment Liquid NOI

☒ Pigment Paste NOI

D.O.T. Hazard Classification (49 CFR 172): None. (Non-Hazardous)

D.O.T. Labels Required: None

Hazardous Waste: NO

HEALTH HAZARD REFERENCES

Material Mineral Oils
Author International Agency for Research of Cancer (IARC)
Title IARC Monographs on the Evaluation of the Carcinogenic Risk of Chemicals to Humans
Journal or Text
Publisher IARC Monographs, Volume 33 (April, 1984)
Toxic Properties Covered Carcinogenic evaluation of mineral oils (lubricant base oils) and derived products.

Material Magie Oils
Author Pennzoil Company
Title _____
Journal or Text
Publisher Letter to Sun Chemical Corporation (11/5/85)
Toxic Properties Covered Hazard evaluation of sweetened middle distillate fractions.

Material Witco Oils
Author Witco Corporation
Title _____
Journal or Text
Publisher Witco letter to Sun Chemical Corporation (11/1/85)
Toxic Properties Covered Tumorigenesis and mutagenesis of Witco oils.

Material Haltermann Printing Ink Solvents
Author Haltermann GMBH & Company
Title OSHA Hazard Communication Standard
Journal or Text
Publisher Letter to Sun Chemical Corporation (10/18/85)
Toxic Properties Covered Hazard evaluation of solvent extracted, aromatic-free distillates from synthetic feedstocks.

web

PAGE 1

Effective: 01/93
Supercedes: NEW

SECTION I - PRODUCT IDENTIFICATION		HMIS INFO	NPCA	NAPIM
Manufacturer's Name SunChemical Corporation	Emergency Telephone No. (513) 681-5950	HEALTH	1	1
Street Address 411 Sun Avenue	City, State and ZIP Code Cincinnati, Ohio 45232	FLAMMABILITY	1	1
MANUFACTURER'S CODE IDENTIFICATION [EDR-9911]		REACTIVITY	0	0
PRODUCT NAME SUN COLOR		P.P.E.		
PRODUCT CLASS Flushed Color <i>Red</i>				

SECTION II - HAZARDOUS INGREDIENTS

Ingredient	Percent	Occupational Exposure Limits TLV PEL	Vapor Pressure
<p>This flushed product contains high boiling petroleum distillate of a type which does not require labelling as a hazardous substance as defined by OSHA's Hazard Communication Standard 29 CFR 1910.1200.</p> <p>This product is not considered to be a hazardous substance under OSHA's Hazard Communication Standard.</p>			

SECTION III - PHYSICAL DATA

Boiling Range 450-600°F	Specific Gravity Unknown	Vapor Density <input checked="" type="checkbox"/> Heavier <input type="checkbox"/> Lighter than Air
Evaporation Rate <input type="checkbox"/> Faster <input checked="" type="checkbox"/> Slower than Ether	Appearance and Odor Viscous paste; slight solvent odor	
Percent Volatile Variable	Solubility in Water Insoluble	Vapor Pressure
Freezing Point Not applicable	Flash Point Greater than 215°F (Combustible)	Unknown

SECTION IV - HEALTH & EXPLOSION HAZARD DATA

Flammability Classification: OSHA Class III-B

Flash Point: Not Determined-Greater than 215°F

Extinguishing Media:

☒ Foam ☒ CO₂ ☒ Dry Chemical ☐ Water Fog ☐ "Alcohol" Foam ☐ Other

Unusual Fire & Explosion Hazards: NONE KNOWN

Special Fire Fighting Procedures: Full protective equipment, including self-contained breathing apparatus, is recommended.

SECTION V - HEALTH HAZARD DATA

Health Hazard Data

This product contains high boiling petroleum distillate, considered by our supplier not to be a hazardous substance under OSHA's Hazard Communication Standard. Under normal operating conditions and procedures, oil mist would not be expected to be generated.

This product contains no "oil mist".

OSHA permissible exposure limit (PEL) for oil mist is 5 mg/m³.

Carcinogenicity: NTP? No IARC MONOGRAPHS? No OSHA REGULATED? No

Routes of Exposure

Inhalation - If use conditions generate organic vapor, and adequate ventilation is not available, NIOSH approved respirator should be used. Acute overexposure may result in irritation of the throat and lungs. Chronic exposure to high concentrations of oil mists or aerosols to laboratory animals has resulted in non-specific symptoms related to the nervous system, gastrointestinal tract & lungs.

Skin Contact - Should be prevented through the use of protective clothing, selected with regard for use condition exposure potential. Direct skin contact may cause skin irritation and dermatitis, characterized by dryness, chapping & reddening.

Skin Absorption
No published data available.

Eye Contact - Eye contact with flushed color must be prevented through the use of safety glasses, etc. Exposure to high concentrations of vapors may be irritating to the eyes.

Ingestion - Do not ingest. Ingestion of large quantities may lead to intense burning of the throat and may result in drowsiness, dullness, numbness and headache followed by dizziness, weakness and nausea.

Emergency & First Aid Procedures

Eyes: Flush thoroughly with copious amounts of water for at least 15 minutes. If irritation persists, consult physician.

Skin:
Wash with soap and water. If symptoms occur, consult physician.

Inhalation:
Remove to clean, fresh air and treat symptomatically.

Ingestion:
Treat symptomatically. Do not induce vomiting.

VI REACTIVITY DATA

Stability	Stable	<input checked="" type="checkbox"/>	Conditions to Avoid NONE KNOWN
	Unstable	<input type="checkbox"/>	

Incompatibility

Strong oxidizing agents

Hazardous Decomposition Products When involved in a fire, burning organic pigments may evolve noxious fumes which may include carbon monoxide, nitrous oxides, or other toxic compounds, depending on the pigment type.

Hazardous Polymerization	May Occur	<input type="checkbox"/>	Conditions to Avoid NONE KNOWN
	Will Not Occur	<input checked="" type="checkbox"/>	

VII SPILL OR LEAK PROCEDURES

Steps to be taken if material is released or spilled [

Wipe or shovel up spilled material. Hydrocarbon solvent may aid in cleaning.
Spilled material should be cleaned up immediately.

Hazardous Substance "Superfund" ☒ No ☐ Yes

Waste disposal method

Disposal of this material must be made in accordance with Federal, State and local regulations.

Hazardous Waste 40CFR261 ☒ No ☐ Yes

VIII SPECIAL PROTECTION METHOD

Respiratory Protection

NIOSH approved respirators recommended, if adequate ventilation is not available.

Ventilation

Local exhaust ventilation or containment recommended to control organic vapor exposure.

Protective Gloves

Recommended

Eye Protection

Safety glasses recommended

Other Protective Equipment

Impervious clothing should be worn when gross contact is likely, such as when cleaning up spills.

IX SPECIAL PRECAUTIONS

Precautionary Statements

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FDA Status

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USDA Status

This pigment product has not been evaluated by the United States Department of Agriculture (USDA) for use in packaging material in direct contact with meat or poultry food products prepared under federal inspection.

X TRANSPORTATION REQUIREMENTS

D.O.T. Proper Shipping Name (49CFR 172.101):

☐ Pigment Dry NOI

☐ Pigment Liquid NOI

☒ ~~Pigment Paste NOI~~

D.O.T. Hazard Classification (49 CFR 172): None. ~~Non-Hazardous~~

D.O.T. Labels Required: None

Hazardous Waste: NO

WITH HAZARD REFERENCES

Material Mineral Oils
Author International Agency for Research of Cancer (IARC)
Title IARC Monographs on the Evaluation of the Carcinogenic Risk of Chemicals to Humans
Journal or Text
Publisher IARC Monographs, Volume 33 (April, 1984)
Toxic Properties Covered Carcinogenic evaluation of mineral oils (lubricant base oils) and derived products.

Material Magie Oils
Author Pennzoil Company
Title _____
Journal or Text
Publisher Letter to Sun Chemical Corporation (11/5/85)
Toxic Properties Covered Hazard evaluation of sweetened middle distillate fractions.

Material Witco Oils
Author Witco Corporation
Title _____
Journal or Text
Publisher Witco letter to Sun Chemical Corporation (11/1/85)
Toxic Properties Covered Tumorigenesis and mutagenesis of Witco oils.

Material Haltermann Printing Ink Solvents
Author Haltermann GMBH & Company
Title OSHA Hazard Communication Standard
Journal or Text
Publisher Letter to Sun Chemical Corporation (10/18/85)
Toxic Properties Covered Hazard evaluation of solvent extracted, aromatic-free distillates from synthetic feedstocks.

4840HESVASTRM

GENERATOR

COLOR-ART, INC.
1110 RECO INDUSTRIAL COURT
ST. LOUIS, MO 63126
KEN NIETERS



CORPORATE HEADQUARTERS
HERITAGE ENVIRONMENTAL SERVICES, INC.
7901 WEST MORRIS STREET • INDIANAPOLIS, IN 46231
TELEPHONE 317/243-0811

PAGE 1 OF 1

SERVICE LOCATION

KANSAS CITY

QUOTE

WASTESTREAM

44912-1

19803-1

WASTESTREAM PROFILE

WASTE DESCRIPTION / COMMON NAME	PRODUCT	PRODUCT TYPE
WEBB OFF-SET/HEAT SET INK	68	SUPP FUEL DRUMS
PROCESS GENERATING	COLOR	PHYSICAL STATE AT 70°F
CLEAN OUT UNUSED INK FROM EQUIPMENT	VARIED	SLUDGE

HAZARD TYPE	EPA HAZARD CODES
NON-HAZARDOUS	NO HAZARD CODES SPECIFIED
DOT HAZARD CLASS	EPA REPORTING NAME
COMBUSTIBLE	
DOT DESCRIPTION	
WASTE INK, COMBUSTIBLE LIQUID, UN1210	

UPON LABORATORY ANALYSIS OF A REPRESENTATIVE SAMPLE, THE FOLLOWING MAJOR CONSTITUENTS WERE EVALUATED:

PARAMETER	RESULT	UNIT	DET. LIMIT	ALLOWABLE RANGE
HEAT OF COMBUSTION	17000	BTU/LB		
LIQUID IGNITABILITY)	194	DEGREES F		

any oils, oily wastes or other materials shipped to HERITAGE, Inc. which contain detectable levels of PCB's (Polychlorinated Biphenyls) will subject the generator (or other responsible party) to all reasonable costs for proper transport, disposal and/or decontamination of all contaminated materials and equipment.

Generators of oils, or oily wastes must provide a certification to HERITAGE that the waste is not contaminated with any constituents other than those incidental to normal use.

GENERATOR WARRANTY: To the best of my knowledge the above is a true, accurate and complete description of the waste material offered for disposal and/or reclamation.

SIGNATURE

(ORIGINAL) PLEASE RETAIN

PAGE.002

TO WEB

MAR 10 '93 10:21 FROM COLOR ART

TECHNICAL REPRESENTATIVE
HALL, MARK R. 183 McDONNELL BLVD. ST. LOUIS, MO 63042 (314)521-3600

THIS QUOTATION IS EXPRESSLY LIMITED TO THE "TERMS OF QUOTATION" ON THE REVERSE SIDE AND THE FOLLOWING QUOTATION PROPOSAL.



CORPORATE HEADQUARTERS
HERITAGE ENVIRONMENTAL SERVICES, INC.
7901 WEST MORRIS STREET • INDIANAPOLIS, IN 46231
TELEPHONE 317/243-0811

SERVICE LOCATION	
KANSAS CITY	
QUOTE	WASTESTREAM
44912-1	19803-1
ISSUED	EFFECTIVE
02-JUL-92	02-JUL-92

QUOTATION

WASTE DESCRIPTION / COMMON NAME	PRODUCT	PRODUCT TYPE
WEBB OFF-SET/HEAT SET INK	68	SUPP FUEL DRUMS
HANDLING CODES		
S01, S02, T50		
CUSTOMER	GENERATOR	
COLOR-ART, INC. 23126 10300 WATSON ROAD ST. LOUIS, MO 63127-1187 LARRY CATANI (314)966-2000	COLOR-ART, INC. 19803 1110 RECO INDUSTRIAL COURT ST. LOUIS, MO 63126 KEN NIETERS MOD985771716	
TRANSPORTER	TSD	OIL BURNER
HERITAGE TRANSPORT, INC. 7901 W. MORRIS STREET INDIANAPOLIS, IN 46231 STEPHEN HANSEN IND058484114	8000	HERITAGE ENVIRONMENTAL SERVICES, INC 9028 KANSAS CITY 8525 NE 38TH KANSAS CITY, MO 64161 JAN DILLOW MOD981505555

QUOTATION PROPOSAL

DISPOSAL: 90.0000 PER DRUM (\$0.00 MINIMUM PER WASTESTREAM)
 FREIGHT: 1001.0000 PER LOAD
 CUSTOMER DEMURRAGE: 1.0000 PER MINUTE (60 MINUTES OF FREE LOADING TIME ALLOWED)
 EMERGENCY SERVICE: 135.0000 1/LOAD

HERITAGE IS HEREBY NOTIFYING YOU THAT WE HAVE THE APPROPRIATE PERMITS(S) FOR, AND WILL ACCEPT THE WASTE YOU HAVE BEEN APPROVED TO SHIP.
(40 CFR 264.12, 329 IAC 3-41-3(B)).

*ANY NONDISPERSABLE OR OFF-SPECIFICATION MATERIAL WILL BE FIBERPACKED AND INCINERATED AT \$2.50/POUND. BILLING WEIGHT WILL INCLUDE ANY ABSORBENT MATERIALS NECESSARY TO PREVENT LEAKAGE.
 *MILKRUN RATE IS 70% OF FREIGHT CHARGE

The enclosed quotation and profile acknowledgements must be signed and returned to Heritage. We will be unable to commence services without signed acknowledgements.

FOR SCHEDULING SERVICES, CALL

816-453-4321

Please provide quote and wastestream numbers to Heritage dispatcher to initiate efficient service. Any purchase order, release, or shipper number, etc. required by the customer must be provided when scheduling.

ACKNOWLEDGEMENT: Heritage will provide transportation, treatment, recovery, and/or disposal of your waste as quoted above. All work will be performed according to federal, state, and local regulations. Signature of acceptance below confirms agreement with the waste and DOT descriptions set forth in the wastestream profile attached hereto. In the absence of an executed contract, executed acknowledgement copy of quotation form and wastestream profile by generator must be returned to Heritage before service can be rendered.

SIGNATURE OF ACCEPTANCE

DATE

PURCHASE ORDER NO.

PURCHASE ORDER EFFECTIVE UNTIL

(ORIGINAL) PLEASE RETAIN

PAGE 001

TO WEB

FROM COLOR ART

MAR 10 1993 10:20